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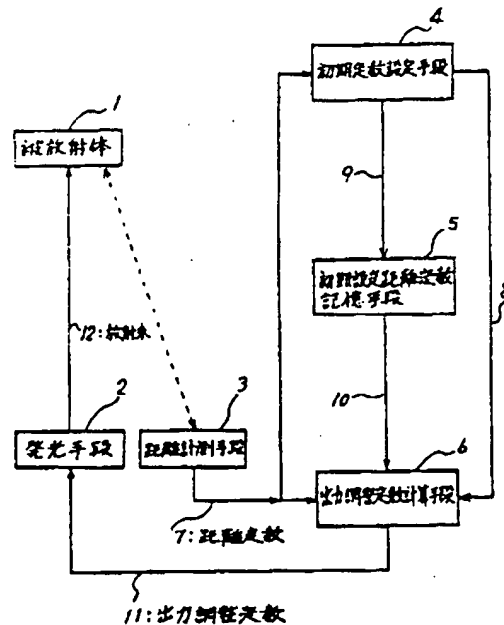
APPLICATION DATE : 18-09-87
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INVENTOR : OZAWA MASAHIRO;

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TITLE : AUTOMATIC ILLUMINANCE
ADJUSTING SYSTEM



ABSTRACT : PURPOSE: To keep the illuminance of an object to be radiated at the time of initializing constant even if a distance between a light source and the object is changed by adjusting radiation flux according to ratio of the square of the distance between the object and the light source and the square of the distance between the object at the time of initializing and the light source.

CONSTITUTION: If a distance constant 7 obtained by measuring in a distance measuring means 3 gets different from the value of an initial distance constant 10 because the object 1 moves, the value obtained by dividing the square of the distance constant 7 by the square of the initial distance constant 10 by an output adjustment constant calculation means 6 does not become '1'. Moreover, if the above-mentioned value is multiplied by an initial output adjustment constant 8, an output adjustment constant 11 becomes a value different from that at the time of initializing, so that a light emission means 2 changes the size of the radiation flux 12 according to the newly set output adjustment constant 11. Thus, the illuminance of the object can be kept constant even if the distance between the object and the light source is changed.

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